APPENDIX (V)

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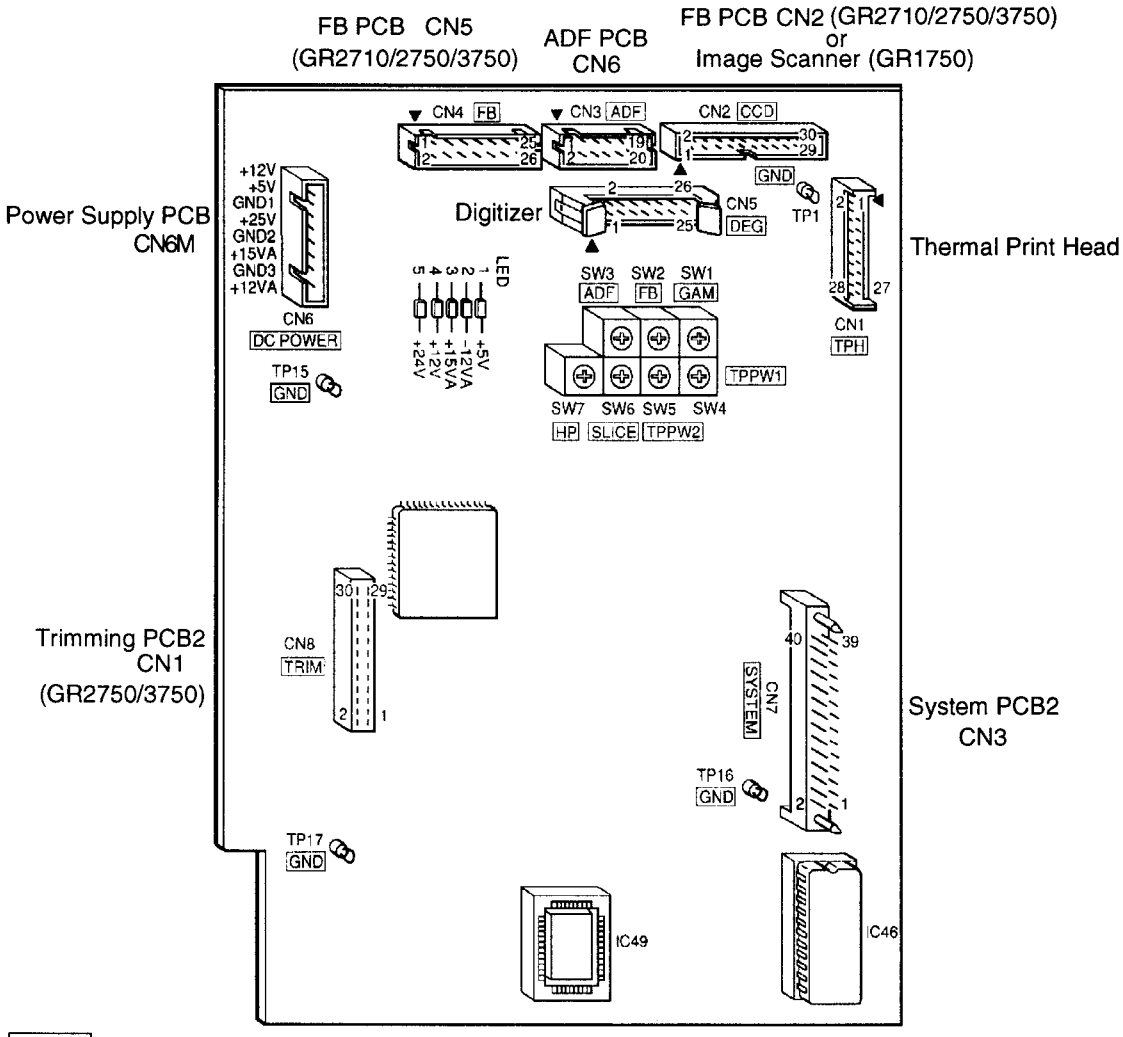
4. Image Processing PCB(IPDF) (GR1750,2710,2750 & 3750)



SW

SW1 (GAM)	:	Gamma (γ) compensation for contrast balance adjustment in image scanning
SW2 (FB)	:	For image elongation/shrinkage correction in image scanning(Flat Bed Type)
SW3 (ADF)	:	For image elongation/shrinkage correction in image scanning(Sheet Type)
SW4 (TPPW1)	:	For adjustment of heating power of Thermal print head
SW5 (TPPW2)	:	For adjustment of heating power of Thermal print head
SW6 (SLICE)	:	For adjustment of "Line-copy mode" slice level
SW7 (HP)	:	For fine adjustment of Paper size potentiometer

LED **- When LED is ON -**

LED 1 (+ 5V)	:	+ 5V is supplied to PCB.
LED 2 (-12VA)	:	-12V is supplied to PCB.
LED 3 (+15VA)	:	+15V is supplied to PCB.
LED 4 (+12V)	:	+12V is supplied to PCB.
LED 5 (+24V)	:	+24V is supplied to PCB.

TP

TP1 (GND)	:	GND
TP15 (GND)	:	GND
TP16 (GND)	:	GND
TP17 (GND)	:	GND

Image Processing PCB(IPDF)

CN1 28PINS

RID1	1	Br	1	TPH
RID2	2	Rd	2	
RID0	3	Or	3	
THERMISTOR	4	Yw	4	
CODE1	5	Gr	5	
CODE0	6	Bl	6	
STB1/	7	Vt	7	
CLK1	8	Gy	8	
LAT1/	9	Wh	9	
DI1	10	Bk	10	
GNDL	11	Br	11	
GNDL	12	Rd	12	
GNDL	13	Or	13	
+5V	14	Yw	14	
+5V	15	Gr	15	
+5V	16	Bl	16	
STB2/	17	Vt	17	
CLK2	18	Gy	18	
LAT2/	19	Wh	19	
DI2	20	Bk	20	
STB3/	21	Br	21	
CLK3	22	Rd	22	
LAT3/	23	Or	23	
DI3	24	Yw	24	
STB4/	25	Gr	25	
CLK4	26	Bl	26	
LAT4/	27	Vt	27	
DI4	28	Gy	28	

CN2 30PINS

SD8	1	Or	1	FB PCB CN2 (GR2710/2750/3750) Image Scanner (GR1750)
GND2	2	Or	2	
SD7	3	Gy	3	
GND2	4	Gy	4	
SD6	5	Wh	5	
GND2	6	Wh	6	
SD5	7	Yw	7	
GND2	8	Yw	8	
SD4	9	Pk	9	
GND2	10	Pk	10	
SD3	11	Or	11	
GND2	12	Or	12	
SD2	13	Gy	13	
GND2	14	Gy	14	
SD1	15	Wh	15	
+5V	16	Wh	16	
LEDC/	17	Yw	17	
+5V	18	Yw	18	
+15V	19	Pk	19	
-12V	20	Pk	20	
CODE0/	21	Or	21	
-12V	22	Or	22	
CODE1/	23	Gy	23	
-12V	24	Gy	24	
LST/	25	Wh	25	
GND2	26	Wh	26	
DCLK	27	Yw	27	
GND2	28	Yw	28	
CLK	29	Pk	29	
GND2	30	Pk	30	

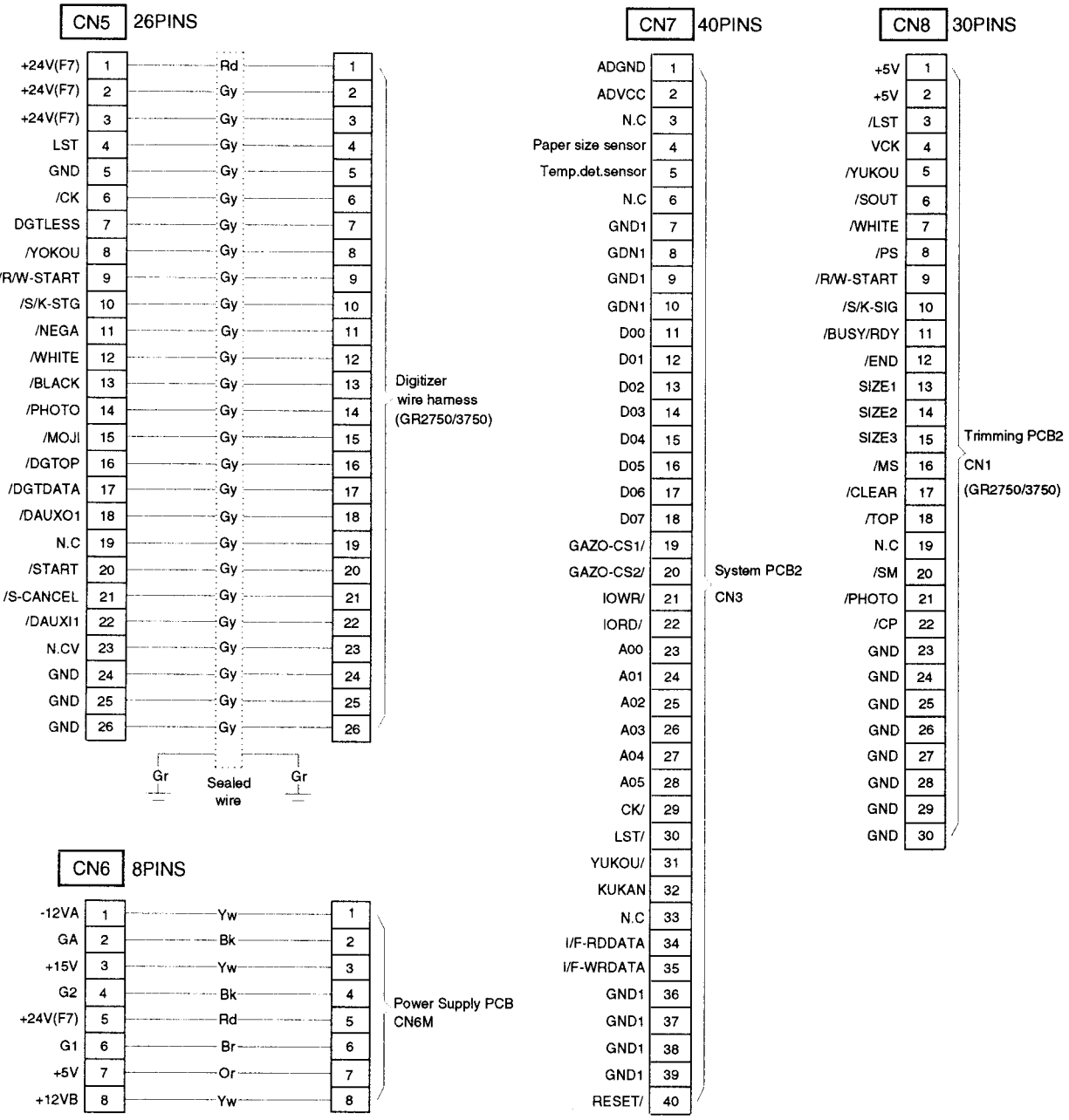
Gr — Sealed wire — Gr

CN4 26PINS

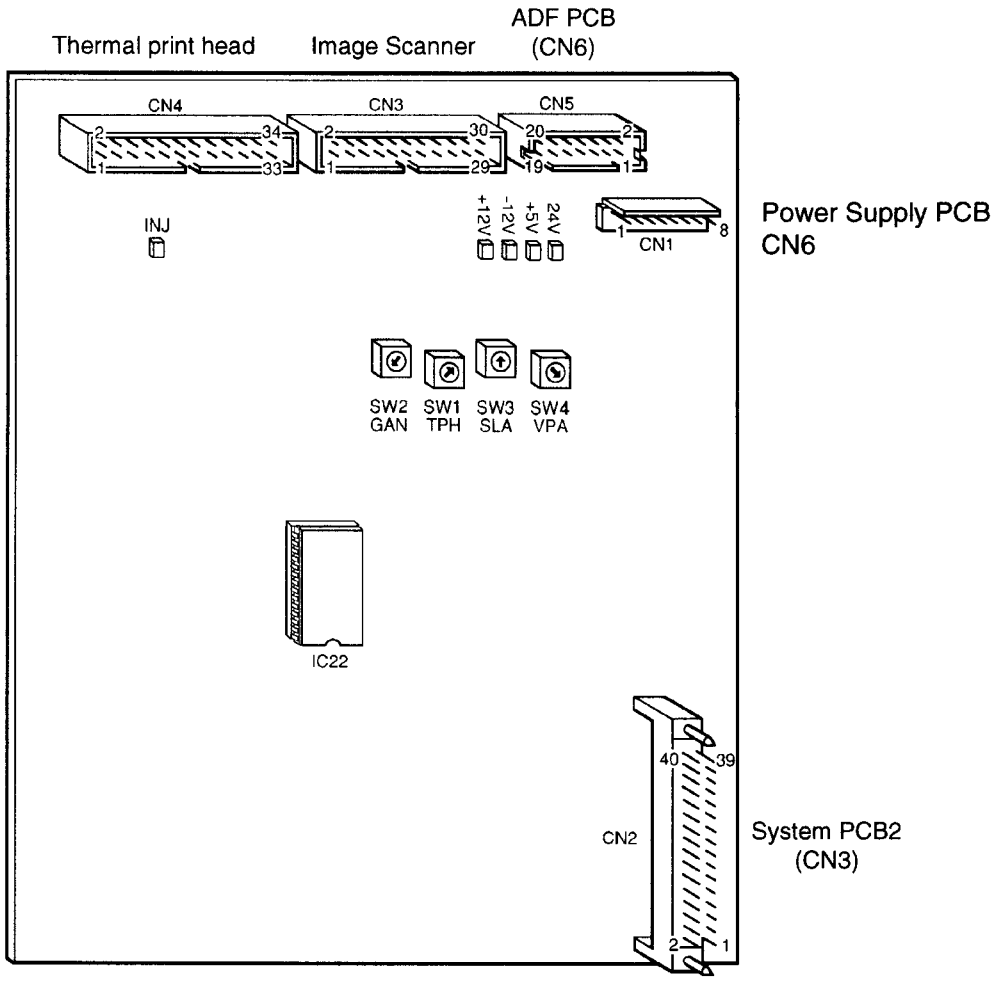
GND	1	Br	1	FB PCB CN5 (GR2710/2750/3750)
FBCLK	2	Rd	2	
GND	3	Or	3	
FBHOLD	4	Yw	4	
GND	5	Gr	5	
M1	6	Bl	6	
GND	7	Vt	7	
M2	8	Gy	8	
GND	9	Wh	9	
FBCW/CCW	10	Bk	10	
GND	11	Br	11	
FBENBL	12	Rd	12	
+5V	13	Or	13	
FBRESET	14	Yw	14	
+5V	15	Gr	15	
HPSEN	16	Bl	16	
+5V	17	Vt	17	
GUMU	18	Gy	18	
+24V(F7)	19	Wh	19	
ADF SH	20	Bk	20	
+24V(F7)	21	Br	21	
ATUSW	22	Rd	22	
+24V(F7)	23	Or	23	
N.C	24	Yw	24	
N.C	25	Gr	25	
N.C	26	Bl	26	

CN3 20PINS

GND2	1	Br	1	ADF PCB CN6
SABAS	2	Rd	2	
GND2	3	Or	3	
PIKM	4	Yw	4	
GND1	5	Gr	5	
RPMCK	6	Bl	6	
GND1	7	Vt	7	
PMENB	8	Gy	8	
PMRST	9	Wh	9	
PMFRC	10	Bk	10	
ADF ENL	11	Br	11	
SAFSG	12	Rd	12	
+5V	13	Or	13	
GENSEN	14	Yw	14	
+5V	15	Gr	15	
SABASEN	16	Bl	16	
+24V(F7)	17	Vt	17	
GINSEN	18	Gy	18	
+24V(F7)	19	Wh	19	
GOUTSN	20	Bk	20	


CN5 26PINS
+24V(F7) 1 Rd 1
+24V(F7) 2 Gy 2
+24V(F7) 3 Gy 3
LST 4 Gy 4
GND 5 Gy 5
/CK 6 Gy 6
DGTLESS 7 Gy 7
/YOKOU 8 Gy 8
/R/W-START 9 Gy 9
/S/K-STG 10 Gy 10
/NEGA 11 Gy 11
/WHITE 12 Gy 12
/BLACK 13 Gy 13
/PHOTO 14 Gy 14
/MOJI 15 Gy 15
/DGTOP 16 Gy 16
/DGTDATA 17 Gy 17
/DAUXO1 18 Gy 18
N.C 19 Gy 19
/START 20 Gy 20
/S-CANCEL 21 Gy 21
/DAUXI1 22 Gy 22
N.CV 23 Gy 23
GND 24 Gy 24
GND 25 Gy 25
GND 26 Gy 26
Digitizer wire harness (GR2750/3750)
Gr
Sealed wire
Gr
CN6 8PINS
-12VA 1 Yw 1
GA 2 Bk 2
+15V 3 Yw 3
G2 4 Bk 4
+24V(F7) 5 Rd 5
G1 6 Br 6
+5V 7 Or 7
+12VB 8 Yw 8
Power Supply PCB CN6M
CN7 40PINS
ADGND 1
ADVCC 2
N.C 3
Paper size sensor 4
Temp.det.sensor 5
N.C 6
GND1 7
GDN1 8
GND1 9
GDN1 10
D00 11
D01 12
D02 13
D03 14
D04 15
D05 16
D06 17
D07 18
GAZO-CS1/ 19
GAZO-CS2/ 20
IOWR/ 21
IORD/ 22
A00 23
A01 24
A02 25
A03 26
A04 27
A05 28
CK/ 29
LST/ 30
YUKOU/ 31
KUKAN 32
N.C 33
I/F-RDDATA 34
I/F-WRDATA 35
GND1 36
GND1 37
GND1 38
GND1 39
RESET/ 40
System PCB2 CN3
CN8 30PINS
+5V 1
+5V 2
/LST 3
VCK 4
/YUKOU 5
/SOUT 6
/WHITE 7
/PS 8
/R/W-START 9
/S/K-SIG 10
/BUSY/RDY 11
/END 12
SIZE1 13
SIZE2 14
SIZE3 15
/MS 16
/CLEAR 17
/TOP 18
N.C 19
/SM 20
/PHOTO 21
/CP 22
GND 23
GND 24
GND 25
GND 26
GND 27
GND 28
GND 29
GND 30
Trimming PCB2 CN1 (GR2750/3750)

5. Image Processing PCB2 (GR1700)

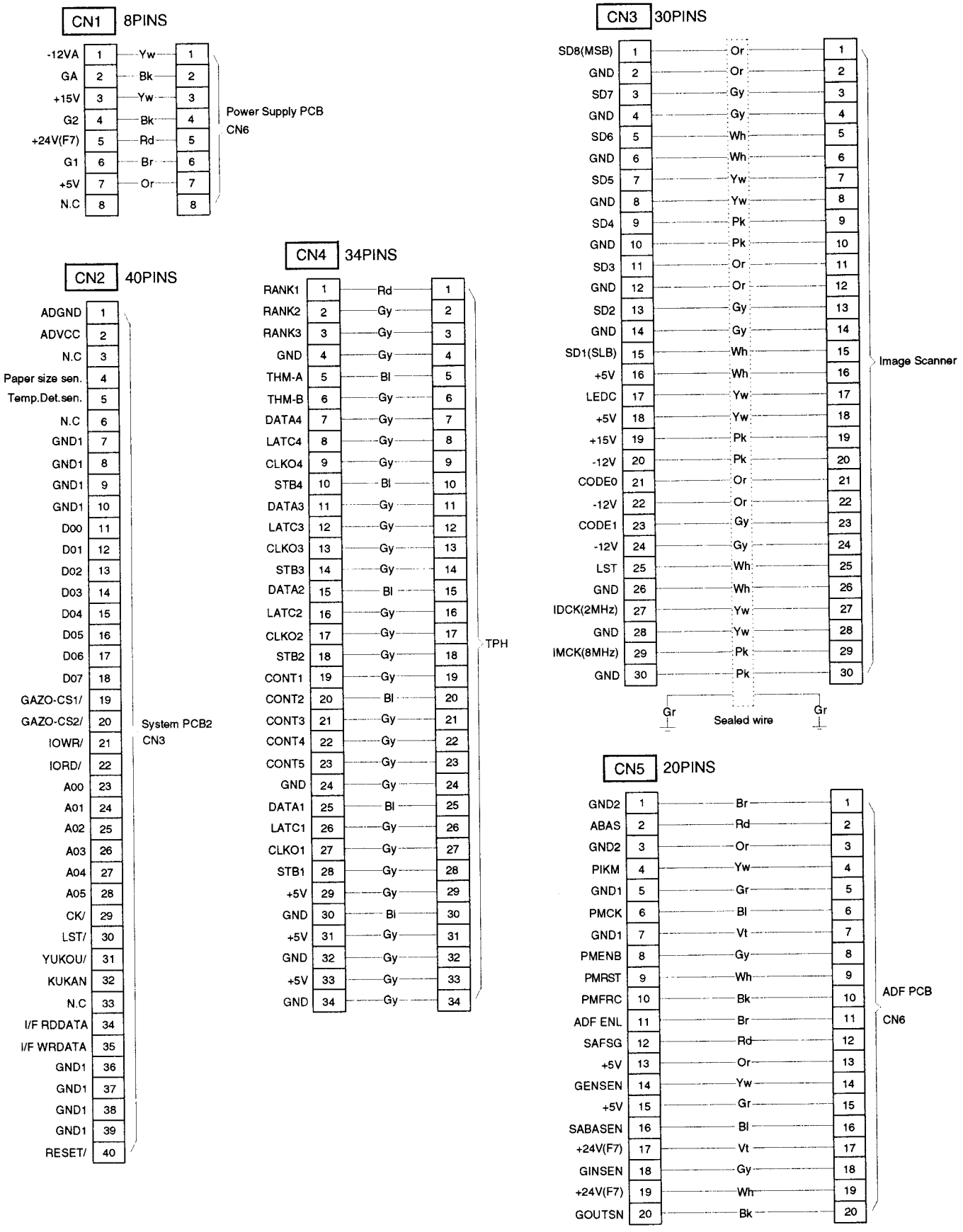


SW

SW1(TPH) : For adjustment of heating power of Themal print head
SW2(GAN) : For Gamma compensation, i.e.contrast balance adjustment in image scanning
SW3(SLA) : For image elongation/shrinkage correction in image scanning
SW4(VPA) : Not Used

LED **- When LED is ON -**

LED 24V : +24V is supplied to PCB
LED +5V : +5V is supplied to PCB
LED -12V : -12V is supplied to PCB
LED +12V : +12V is supplied to PCB
INJ : " Read/Write Start Signal " is output.


CN1 8PINS
-12VA 1 Yw 1
GA 2 Bk 2
+15V 3 Yw 3
G2 4 Bk 4
+24V(F7) 5 Rd 5
G1 6 Br 6
+5V 7 Or 7
N.C 8 8
Power Supply PCB
CN6
CN2 40PINS
ADGND 1
ADVCC 2
N.C 3
Paper size sen. 4
Temp.Det.sen. 5
N.C 6
GND1 7
GND1 8
GND1 9
GND1 10
D00 11
D01 12
D02 13
D03 14
D04 15
D05 16
D06 17
D07 18
GAZO-CS1/ 19
GAZO-CS2/ 20
IOWR/ 21
IORD/ 22
A00 23
A01 24
A02 25
A03 26
A04 27
A05 28
CK/ 29
LST/ 30
YUKOU/ 31
KUKAN 32
N.C 33
I/F RDDATA 34
I/F WRDATA 35
GND1 36
GND1 37
GND1 38
GND1 39
RESET/ 40
System PCB2
CN3
CN4 34PINS
RANK1 1 Rd 1
RANK2 2 Gy 2
RANK3 3 Gy 3
GND 4 Gy 4
THM-A 5 Bl 5
THM-B 6 Gy 6
DATA4 7 Gy 7
LATC4 8 Gy 8
CLKO4 9 Gy 9
STB4 10 Bl 10
DATA3 11 Gy 11
LATC3 12 Gy 12
CLKO3 13 Gy 13
STB3 14 Gy 14
DATA2 15 Bl 15
LATC2 16 Gy 16
CLKO2 17 Gy 17
STB2 18 Gy 18
CONT1 19 Gy 19
CONT2 20 Bl 20
CONT3 21 Gy 21
CONT4 22 Gy 22
CONT5 23 Gy 23
GND 24 Gy 24
DATA1 25 Bl 25
LATC1 26 Gy 26
CLKO1 27 Gy 27
STB1 28 Gy 28
+5V 29 Gy 29
GND 30 Bl 30
+5V 31 Gy 31
GND 32 Gy 32
+5V 33 Gy 33
GND 34 Gy 34
TPH
CN3 30PINS
SD8(MSB) 1 Or 1
GND 2 Or 2
SD7 3 Gy 3
GND 4 Gy 4
SD6 5 Wh 5
GND 6 Wh 6
SD5 7 Yw 7
GND 8 Yw 8
SD4 9 Pk 9
GND 10 Pk 10
SD3 11 Or 11
GND 12 Or 12
SD2 13 Gy 13
GND 14 Gy 14
SD1(SLB) 15 Wh 15
+5V 16 Wh 16
LEDC 17 Yw 17
+5V 18 Yw 18
+15V 19 Pk 19
-12V 20 Pk 20
CODE0 21 Or 21
-12V 22 Or 22
CODE1 23 Gy 23
-12V 24 Gy 24
LST 25 Wh 25
GND 26 Wh 26
IDCK(2MHz) 27 Yw 27
GND 28 Yw 28
IMCK(8MHz) 29 Pk 29
GND 30 Pk 30
Image Scanner
Gr
Sealed wire
Gr
CN5 20PINS
GND2 1 Br 1
ABAS 2 Rd 2
GND2 3 Or 3
PIKM 4 Yw 4
GND1 5 Gr 5
PMCK 6 Bl 6
GND1 7 Vt 7
PMENB 8 Gy 8
PMRST 9 Wh 9
PMFRC 10 Bk 10
ADF ENL 11 Br 11
SAFSG 12 Rd 12
+5V 13 Or 13
GENSEN 14 Yw 14
+5V 15 Gr 15
SABASEN 16 Bl 16
+24V(F7) 17 Vt 17
GINSEN 18 Gy 18
+24V(F7) 19 Wh 19
GOUTSN 20 Bk 20
ADF PCB
CN6